

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2094	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2094 Wathal	A	3.28				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Erosion / Bank Caving	0.01		0.01	0.31%		
Crown Surface / Depressions / Rutting	0.01		0.01	0.31%		
<i>LMA Totals:</i>	0.02	0.00	0.02	0.61%	0.00	0.00
Unit No. 01 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	2.82				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Erosion / Bank Caving	0.01		0.01	0.36%		
Crown Surface / Depressions / Rutting	0.01		0.01	0.36%		
<i>Unit Totals:</i>	0.02	0.00	0.02	0.71%	0.00	0.00
Unit No. 02 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	0.46				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Reclamation District No. 2094 Wathal

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 2094 Wathal

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/6/2009		11/4/2009	
DWR Inspector	David Pesavento		John Paasch	
Accompanied By			Brian Mizuno RD 2094	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2094 Wathal

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Right	2.82	11/10/2009 11/10/2009	John Paasch	

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.59	0.59	Earthen Levee	Slope Stability	LS	A	Repair slope instability. Inspector Comments: District representative requested notation made that the waterward slope of the bank is a gentle slope but the landward slope is steep.	37.768143 ° -121.295829 °	37.768143 ° -121.295829 °	6 Y
2	0.65	0.65	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation maintenance program consists of dragging an anchor chain along the slope. The surface of the slopes will need to be watched to see that the levee is not unintentionally degraded.	37.767642 ° -121.295063 °	37.767642 ° -121.295063 °	7 Y
3	1.12	1.12	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection.	37.761845 ° -121.295311 °	37.761845 ° -121.295311 °	9 Y
4	1.40	1.40	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Inspector Comments: Animal burrow in crown has created a depression.	37.759565 ° -121.299368 °	37.759565 ° -121.299368 °	10
5	2.30	2.30	Earthen Levee	Encroachments	CR	C	Equipment	37.752334 ° -121.296322 °	37.752334 ° -121.296322 °	8

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	11/10/2009 11/10/2009	John Paasch

Levee Mile Report Line	1
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of steep landward slope.

jpaasch_20091110_198.jpg



Levee Mile Report Line	2
Start Levee Mile	0.65
End Levee Mile	0.65
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Example of the good vegetation management along the unit.

jpaasch_20091110_199.jpg



Levee Mile Report Line	3
Start Levee Mile	1.12
End Levee Mile	1.12
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Cave in of animal burrow has created a slope stability concern.

jpaasch_20091110_200.jpg



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**Flood Control Project Maintenance
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Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 2094 Wathal

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.46

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/4/2009	
DWR Inspector			John Paasch	
Accompanied By			Brian Mizuno RD 2094	

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Signature of LMA Representative

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Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.46	11/10/2009 11/10/2009	John Paasch

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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